

Product information



EDF1, 1- 148 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0655

Full name: Endothelial differentiation-related factor 1

NCBI Accession No.: NP_003783

Synonyms: EDF-1, MBF1

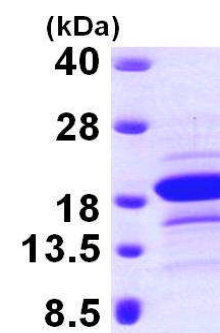
Description: Endothelial differentiation-related factor 1, also known as EDF1 may regulate endothelial cell differentiation. It has been postulated that the protein functions as a bridging molecule that interconnects regulatory proteins and the basal transcriptional machinery, thereby modulating the transcription of genes involved in endothelial differentiation. Also, EDF1 binds calmodulin through its IQ domain and regulates nitric oxide synthase activity through calmodulin sequestration in the cytoplasm. Though ubiquitously expressed, EDF1 is most abundant in adult liver, heart, adipose tissues, intestine and pancreas. Recombinant human EDF1 protein, fused to His-tag at C-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl

Molecular Weight: 17.4 kDa (156aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MAESDWDVTV VLKKGPTAA QAKSKQA ILA AQRGDEVET SKKWAAGQNK QHSITKNTAK LDRETEELHH DRVTLVGVK IQQGRQSKGL
TQKDLATKIN EKPQVIADYE SGRAIPNNQV LGKIERAIGL KLRGKDIGKP IEKGPRAKLE HHHHHH

General references:

Mariotti M., *et al.* (2000) *J Biol Chem.* 275:24047-24051.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Dragoni I., *et al.* (1998) *J Biol Chem.* 273: 31119-31124.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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